

SURI ENGINEERS

the brand that has stood the test of time

CUTTING EDGE TECHNOLOGY
PIONEERING INNOVATION



PRODUCT CATALOGUE
2022 - 2023

DELIVERING HIGH QUALITY SINCE 1974



Converting Paddy into Profits



COMPANY PROFILE

Founded in 1974 as a technology supplier for conventional rice mills.

The company revolutionized the rice milling industry in the past 48 years with its innovative products and played a key role in the modernization of the rice milling sector.

Catered to over 15,000 + rice millers during this time period. Suri Engineers prides itself on its wide product range, enabling us to offer end-to-end support to the rice miller. This company has been built on two founding principles:

DELIVERING HIGH QUALITY

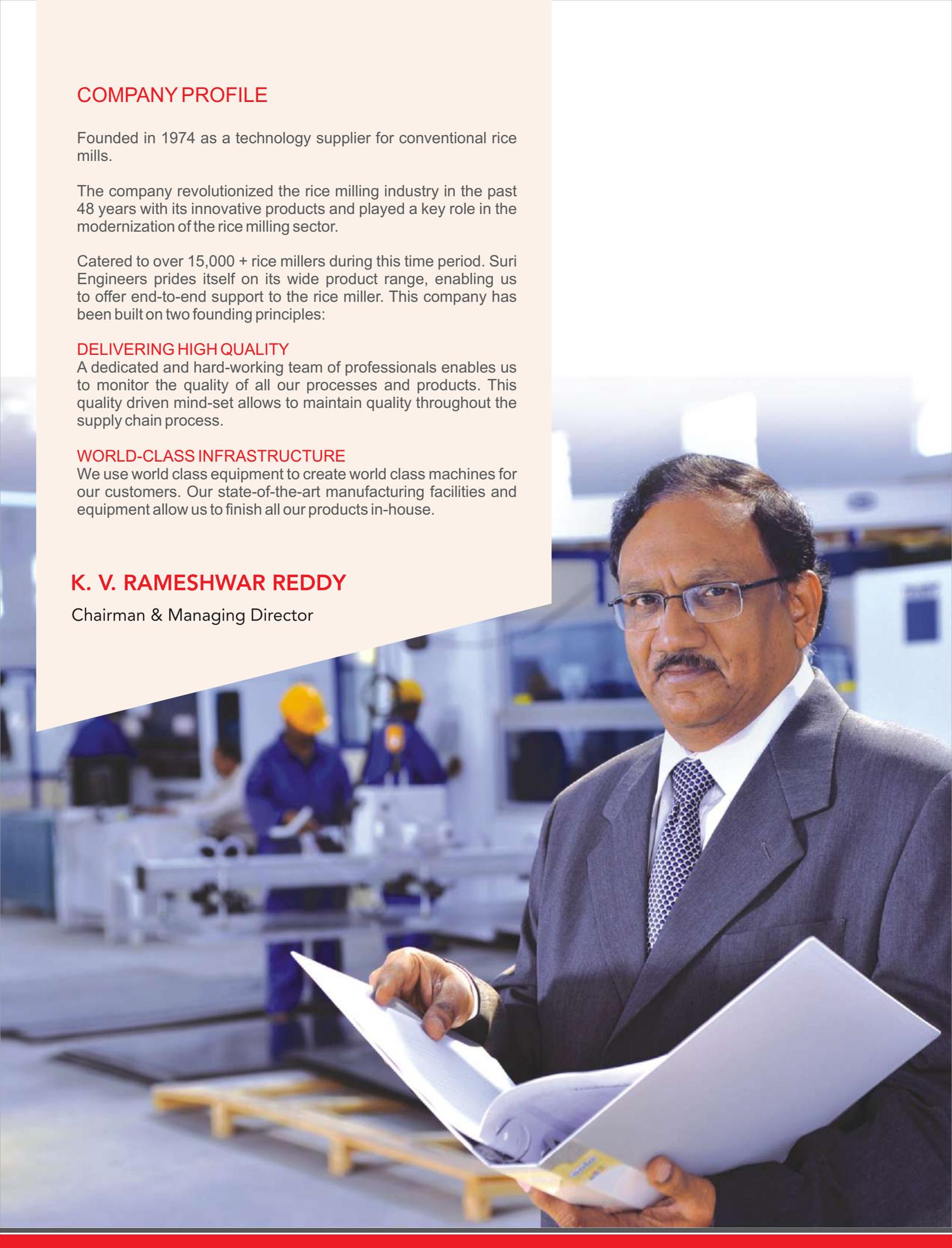
A dedicated and hard-working team of professionals enables us to monitor the quality of all our processes and products. This quality driven mind-set allows to maintain quality throughout the supply chain process.

WORLD-CLASS INFRASTRUCTURE

We use world class equipment to create world class machines for our customers. Our state-of-the-art manufacturing facilities and equipment allow us to finish all our products in-house.

K. V. RAMESHWAR REDDY

Chairman & Managing Director



PRE-CLEANER WITH ASPIRATOR (W.T.)

The main function of this pre cleaner is to remove oversized and undersized impurities such as stones and sand from the paddy. This also removes other impurities such as dust and straw.

Advantages :

1. Screen frame is mounted on a specially designed wheel arrangement.
2. This wheel arrangement results in more stability and lower maintenance costs.
3. Equipped with inbuilt aspiration system for dust separation.



Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
PRTF04	PRE-CLEANER WITH ASPIRATOR (W.T.)	3 Ton/hr	254 RPM	3 HP/1440 RPM*	3116 X 1500 X 2230

PRE CLEANER MAX MFD

The main function of this pre cleaner is to remove oversized and undersized impurities such as stones and sand from the paddy.

This also removes other impurities such as dust and straw.

Advantages :

1. Equipped with inbuilt aspiration system for dust separation
2. Designed to accommodate easily removable trays
3. Robust frame design resulting in longer life
4. Easy to operate and low maintenance



Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
PRTSM00	PRE CLEANER MAX MFD	4 Ton/hr	270 RPM	3 HP/1440 RPM*	2700 X 1700 X 2433

GRAIN CLASSIFIER

Grain classifier is used to separate coarse and fine impurities from grains.

Vibratory power is used in grain classifier to remove soil and dust, fine sand and stones from grains.

Advantages :

1. Equipped with dust aspiration system.
2. Adjustable screen inclination.
3. Designed with dust free operation.
4. Minimum vibration & noiseless operation.
5. Vibration force can be easily adjustable.



Code No.	Product Name	Capacity on Paddy	Power Recommended	Dimensions (LxBxH in mm)
GCL00	GRAIN CLASSIFIER	4 Ton/hr	0.5 HP / 960 RPM* X 2No's 5 HP / 2880 RPM*	2482x1460x1742

Note* : 1. The Machinery Capacity mentioned is on Paddy/Hr., 2. Capacity Varies with variety of Paddy and also moisture content, 3. The Designs are subject to change without notice, 4. Motors marked* will be supplied by Company, 5. Machines will be supplied without pipelines.



PRE-CLEANER MINI MAX MFD

The main function of this pre cleaner is to remove oversized and undersized impurities such as stones and sand from the paddy.

This also removes other impurities such as dust and straw.

Advantages :

1. Equipped with a highly efficient suction blower.
2. Designed to accommodate easily removable trays.
3. Provided with conveyor system which easily discharges immature paddy.

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
PMF00	PRE CLEANER MINI MAX MFD	6 Ton/hr	315 RPM	5 HP/2800 RPM* 2 HP/1440 RPM*	2680 X 1873 X 2640



GRAIN CLEANER MAX ULTRA

The main function of this pre cleaner is to remove oversized and undersized impurities such as stones and sand from the paddy.

Advantages :

1. Designed with double conveyor system ensuring best discharge of immature paddy.
2. Equipped with highly efficient suction blower.
3. Designed to accommodate easily removable trays.

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
GCMU00	GRAIN CLEANER MAX ULTRA	15Ton/hr	335RPM	7.5 HP/2800RPM* 2 HP/1440RPM*	3405X2185X2857

PADDY CLEANER

The function of the paddy cleaner is to clean the finer impurities which are left over after pre-cleaning process. Separates stones from paddy based on the principle of gravity.

Advantages :

1. Equipped with inbuilt suction blower for dust separation.
2. Highly efficient machine and consumes less power than previous generation machines
3. Heavy structure resulting in rigidity and longer life.



Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
PC3MF00	PADDY CLEANER	3 Ton/hr	685 RPM	3 HP/960 RPM*	1800 X 1500 X 2600
PC04F00	PADDY CLEANER	4 Ton/hr	685 RPM	3 HP/960 RPM*	1850 X 1610 X 2600

VIBRO PADDY DESTONER

The machine is designed to clean impurities like dust and paddy size impurities in the paddy.

This machine functions effectively when the paddy is already pre-cleaned.



Advantages :

1. Equipped with superior quality vibro motors.
2. Inclination of machine can be easily customized.
3. Vibration force can be easily adjusted.

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
PC6F00	VIBRO PADDY DESTONER	4 Ton/hr	2800 RPM 960 RPM 1440 RPM	10 HP* 0.50 X 2 No's* 1.5 HP*	1800 X 1450 X 2000
PC8F00	VIBRO PADDY DESTONER	5 Ton/hr	2800 RPM 960 RPM 1440 RPM	15 HP* 0.50 X 2 No's* 1.5 HP*	1800 X 1600 X 2000
PC10F00	VIBRO PADDY DESTONER	6 Ton/hr	2800 RPM 960 RPM 1440 RPM	20 HP* 0.50 X 2 No's* 1.5 HP*	1800 X 1600 X 2000

PNEUMATIC HUSKER

The machine is used for de-husking paddy and is fitted with two rubber rolls that run in opposite directions. Because of the friction developed in the crushing chamber, the machine offers up to 95% efficiency in shelling.

Advantages :

1. Installed with a sensor which automatically activates and de-activates the shelling system.
2. Equipped with a movable arm which moves closer to the fixed arm based on the pressure settings.
3. Machine is equipped with both automatic and manual modes.



Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
RS5F00	PNEUMATIC HUSKER	3 Ton/hr	1270 RPM	10 HP/1440 RPM	1500 X 1000 X 1300
RS5F00	PNEUMATIC HUSKER	4Ton/hr	1270 RPM	12.5 HP/1440 RPM	1500 X 1000 X 1300

PNEUMATIC HUSKER WITH VIBRATOR

This machine is used for de-husking paddy and is fitted with two rubber rolls that run in opposite directions.

Because of the friction developed in the crushing chamber, the machine offers up to 95% efficiency in shelling.

Advantages :

1. Installed with a sensor which automatically activates and de-activates the shelling system.
2. Equipped with a movable arm which moves closer to the fixed arm based on the pressure settings.
3. Vibrator system allows uniform distribution and control over capacity.
4. Machine is equipped with both automatic and manual modes.



Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
PRV00	PNEUMATIC HUSKER VIBRO	4 Ton/hr	1270RPM	12.5 HP/1440RPM	1500X1000X1730
PRSM00	PADDY PNEUMATIC HUSKER	6 Ton/hr	1270RPM	15 HP/1440RPM	1505X1050X1750



HUSK ASPIRATOR

The main function of this machine is to separate husk from the shelled paddy. Shelled paddy is allowed to flow through specially designed arrangement of flops.

Advantages :

1. Equipped with a powerful blower for husk separation.
2. Immature paddy is separated via a conveyor.

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
HAMF00	HUSK ASPIRATOR	3 Ton/hr	1100 RPM	3 HP/1440 RPM *	2300 X 1350 X 1440
HA4F00	HUSK ASPIRATOR	4 Ton/hr	1292 RPM	5 HP/1440 RPM*	2300 X 1500 X 1440
HAMA00	HUSK ASPIRATOR MAX	6 Ton/hr	1292 RPM	5 HP/1440 RPM *	2300 X 1700 X 1440

RICE DESTONER LEGEND

This machine is used to eliminate the impurities like stones and clay particles from bran free finished rice.

The design of this machine is based on gravitational principles and it is advised to install it after final polished rice.

Advantages :

1. Compact in design and consumes less power.
2. Equipped with auto ejector functionality that works at regular time intervals
3. Low maintenance and easy to operate



Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
RDM00	RICE DESTONER MAX	3 Ton/hr	425 RPM	0.5 HP/1440 RPM*	1060 X 809 X 1034
RDLS00	RICE DESTONER LEGEND	6 Ton/hr	458 RPM	1 HP/1440 RPM*	1489 X 1065 X 1515
RLMFD	RICE DESTONER LEGEND WITH ASPIRATOR	6 Ton/hr	458 RPM	1 HP/1440 RPM* 2 HP/2800 RPM*	1490 X 1065 X 2080



WORLD-CLASS GERMAN BENDING MACHINES



WORLD-CLASS GERMAN LASER CUTTING MACHINES

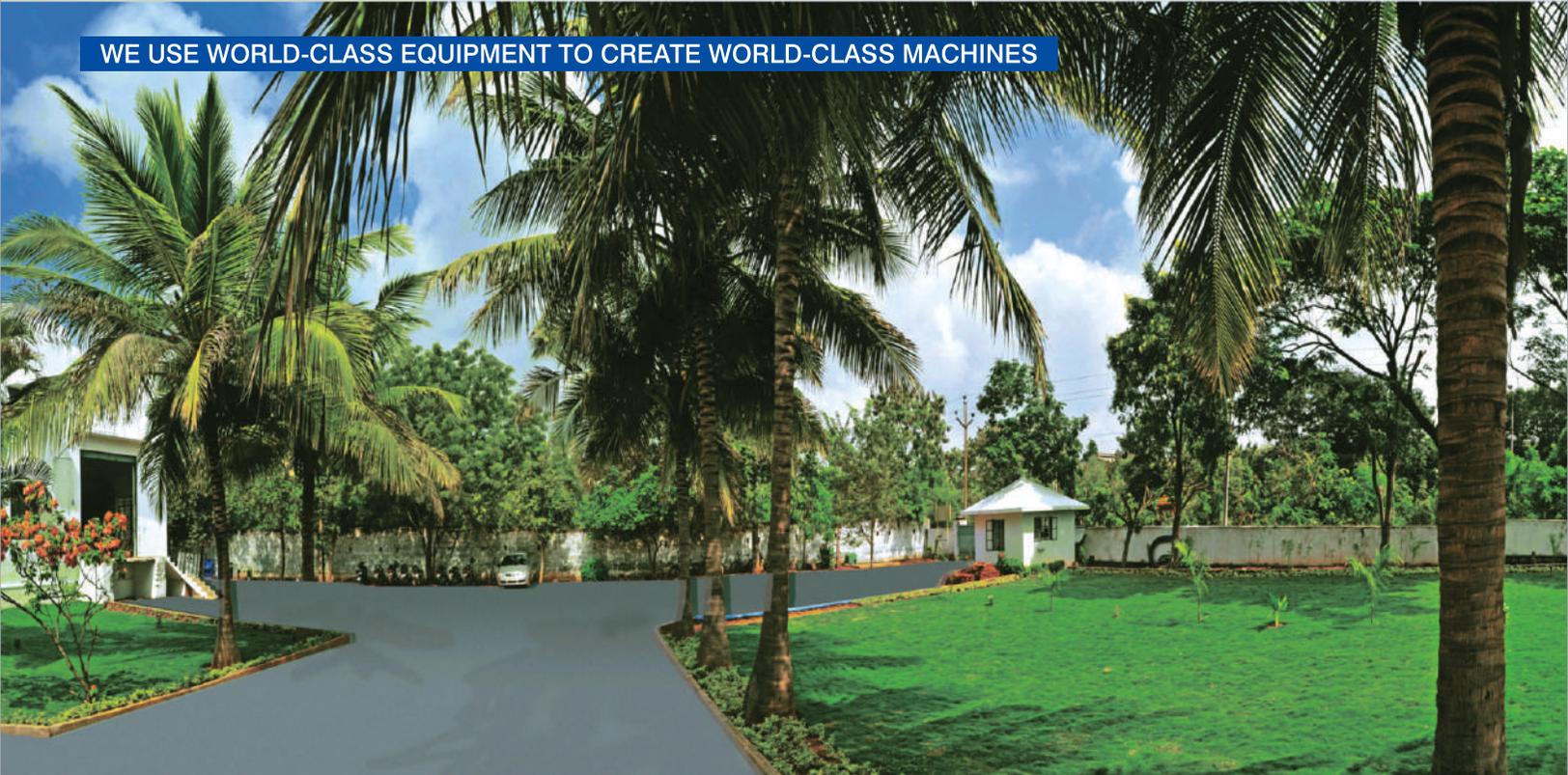




OUR FACILITIES & INFRASTRUCTURE

- Land of 4 acres (5 manufacturing units)
- Manufacturing facilities spanning an area of 1,00,000 square feet
- Office space of 10,000 square feet

WE USE WORLD-CLASS EQUIPMENT TO CREATE WORLD-CLASS MACHINES



CORPORATE OFFICE



PADDY SEPARATOR MINI MAX

The main function of this machine is to separate brown rice from paddy.

The machine works on the principle of gravity and separates the feed into 3 parts:

- i. Brown Rice
- ii. Paddy
- iii. Mixture of Paddy and Brown Rice.

Advantages :

- 1. Complete automation capability with sensor.
- 2. Higher efficiency with low power consumption.
- 3. Easy to operate and low maintenance costs.



Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
PSMP00	PADDY SEPARATOR PRIME	3 Ton/Hr	280 RPM	2 HP/960 RPM*	1759 X 1590 X 1897
PSMI00	PADDY SEPARATOR MINI MAX S4	4 Ton/Hr	280 RPM	2 HP/960 RPM*	1885 x 1629 x 2170

PADDY SEPARATOR MAX

The main function of this machine is to separate brown rice from paddy.

The machine works on the principle of gravity and separates the feed into 3 parts:

- i. Brown Rice
- ii. Paddy
- iii. Mixture of Paddy and Brown Rice.

Advantages :

- 1. Complete automation capability with sensor.
- 2. Higher efficiency with low power consumption.
- 3. Easy to operate and low maintenance costs.



Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
PSMAX00	PADDY SEPARATOR MAX30	6 Ton/hr	280 RPM	3 HP/960 RPM*	1960 X 1759 X 1948
PSMAF00	PADDY SEPARATOR MAX	8 Ton/hr	280 RPM	3 HP/960 RPM*	1990 X 1990 X 2135

NEW



Fig. Representation - VWAK00

VERTEX PLUS SERIES

This next generation whitener is specially designed to give better degree of whiteness and maximum yield of head rice.

This machine is the latest innovation from Suri Engineers and is the result of cutting edge research and development.

Advantages :

1. Redesigned polish chamber for better aspiration.
2. Better yield of head rice with reduction in broken rice.
3. High degree of polish with uniform whiteness.
4. Equipped with self-cooling mechanism

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
VPGA00	VERTEX PEARL GALAXY	3 Ton/Hr	900 RPM	30 HP(FL)/1440 RPM	1347 X 670 X 1645
VWAK00	VERTEX WHITENER GLAZER	4 Ton/Hr	867 RPM	40 HP(FL)/1440 RPM	1815 X 800 X 1630
VWAX00	VERTEX WHITENER	5 Ton/Hr	795 RPM	50 HP(FL)/1440 RPM	1850 X 840 X 1718
VM00	VERTEX MASTER	6 Ton/Hr	755 RPM	60 HP(FL)/1440 RPM	1965 X 838 X 1791
VWAB00	VERTEX WHITENER RICE MAX	8 Ton/Hr	658 RPM	75 HP(FL)/1440 RPM	2175 X 960 X 1900
VRS00	VERTEX SUPER	10 Ton/Hr	475 RPM	75 HP(FL)/1440 RPM	1810 X 925 X 4080

Note: Capacity mentioned minimum 2 passes for raw rice
Capacity mentioned minimum 3 passes for boiled rice

RICE GLAZE SERIES

This Machine is specially designed to give supreme Glaziness to the rice.
The Glazing is attained due to the friction developed in polishing Chamber.

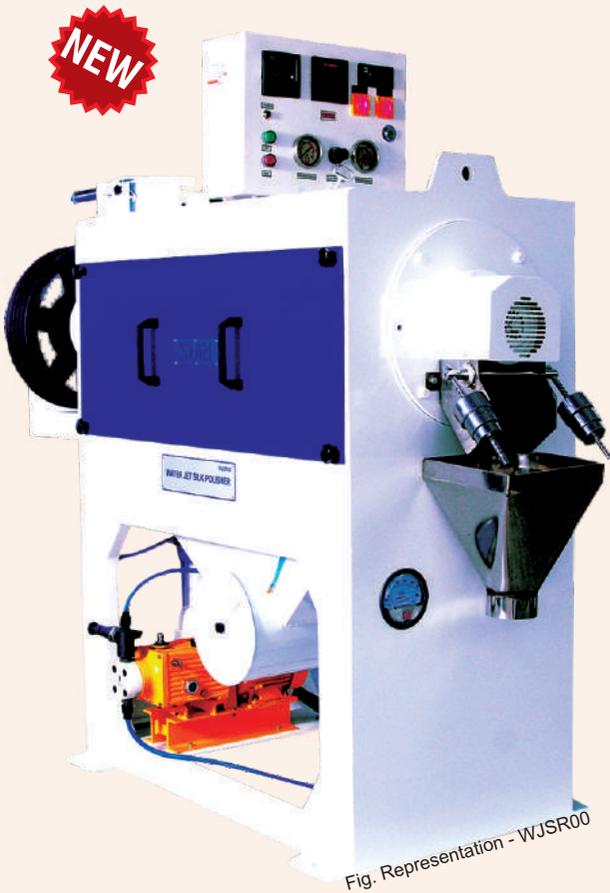
Advantages :

1. Better yield to head rice with high degree of polish and semi-silky finish
2. Equipped with stainless steel cam roller and screw roller
3. Effective cooling mechanism results In less broken rice.



NEW

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
RGF99	RICEGLAZERMODIFIED	3 Ton/hr	720RPM	30 HP/960RPM 2 HP/2800RPM*	2400X750X1500
RGSF99	RICEGLAZERSMART MODIFIED (SEMI SILKY)	3 Ton/hr	720RPM	30 HP/960RPM 2 HP/2800RPM* 0.5 HP/1440RPM*	2400X750X1500



WATER JET SILK SERIES

Water jet silk machines are the latest generation machines that give best quality polishing to rice and give a silky smooth finish to the rice grain. A special water jet device provided with spray gun to get mist from with compressed air and water, it gives superior quality of smooth and silk rice.

Advantages :

1. Gives full silky finish to the rice.
2. Equipped with a special spray gun to give uniformly silk rice
3. Suitable for raw, steam and boiled rice and gives high degree of finish to the rice

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
WJGR00	WATER JET SILK POLISHER GEM	3 Ton/hr	822 RPM	40 HP/1440 RPM* 0.5 HP/1440 RPM*	1632 X 680 X 1435
WJSR00	WATER JET SILK POLISHER	4 Ton/hr	840 RPM	50 HP/1440 RPM* 0.5 HP/1440 RPM*	2150 X 730 X 1600
WJSMF00	WATER JET SILK MASTER	6 Ton/hr	840 RPM	75 HP/1440 RPM* 0.5HP/1440 RPM*	2150 X 810 X 1950



SIFTER SERIES

This next generation sifter is specially designed to efficiently separate broken rice from head rice.

This machine is the latest innovation from Suri Engineers and is the result of cutting edge research and development.

Advantages :

1. Designed with sophisticated multi-stage separation system.
2. Designed with easily removable tray system.
3. Equipped with rubber bouncing balls to prevent clogging of screens

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
RSGE200	RICE SIFTER GEM MFD	2-3 Ton/hr	158 RPM	1.5 HP/2800 RPM* 2 HP/960 RPM*	1670 X 1140 X 2495
RSIF00	SIFTER	4 Ton/hr	158 RPM	2 HP/2800 RPM* 2 HP/960 RPM*	1945 X 1290 X 2919
RMGA00	RICE MULTI GRADER	6 Ton/hr	158 RPM	2 HP/2800 RPM* 2 HP/960 RPM*	2060 X 1630 X 2984



RICE SIZER ULTRA

This machine is designed for separation of thick and thin rice. This machine is equipped with SS wire screen and spiral nylon brushes for self-cleaning of screen.

This machine also separates charred rice, small tips, small broken half broken from head rice.

Advantages :

1. Designed with easily removable screen system
2. Designed to reduce load on the color sorter
3. A geared motor with timing belt drive to avoid transmission losses by slippage
4. Suitable for raw, steam and parboiled rice

Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
RSU00	RICE SIZER ULTRA	3Ton/hr	160 RPM	2HP/1440 RPM*	1983X900X1635

RICE GRADER

This machine is specially designed to separate broken rice from head rice based on length of the input grain

Advantages :

1. Equipped with adjustable collection tray to ensure best separation.
2. Equipped with a brush to clean the indents.
3. Equipped with easily removable two half screens.



Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
RGIF00	RICE GRADER GEM	1 Ton/hr	54 RPM	1 HP/1440 RPM*	3236 X 650 X 795
RG3F00	RICE GRADER-3T	3 Ton/hr	28-38 RPM	2 HP/1440 RPM*	4100 X 1075 X 1600

GRAIN DISCHARGER (S SERIES)

This main function of this machine is to transport the grains from one location to the next location

This elevator is designed to get positive discharge with optimum output at slow speed

Advantages :

1. Designed to get optimum output at slow speed with positive discharge
2. Equipped with spoke pulley for better performance at the bottom deck.
3. Easy to erect and consumes less power.



Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
GDS555	GRAIN DISCHARGER S555	3-4Ton/hr	82 RPM	1 HP/1440 RPM*	935 X 670 X 7775
GEMS6	GRAIN DISCHARGER S6	4-5 Ton/hr	82 RPM	1 HP/1440 RPM*	1018 X 735 X 7896
GDDLXF00	GRAIN DISCHARGER S66	6 Ton/hr	82 RPM	1.5 HP/1440 RPM*	1240 X 700 X 7750
GEMS8	GRAIN DISCHARGER S8	6-8Ton/hr	82 RPM	1.5 HP/1440 RPM*	1078 X 785 X 7896

GRAIN DISCHARGER S12

The grain discharger is designed to get positive discharge with optimum output at slow speed.

Advantages :

1. Designed to get optimum output at slow speed with positive discharge
2. Equipped with spoke pulley for better performance at the bottom deck.
3. Easy to erect and consumes less power.
4. Recommended for higher capacities.



Code No.	Product Name	Capacity on Paddy	Speed	Power Recommended	Dimensions (LxBxH in mm)
GDS12	GRAIN DISCHARGER S12	20 T/HR	102 RPM	3 HP/1440 RPM*	1800 X 1060 X 10300

NEW



FORTIFIED RICE RIBBON BLENDER

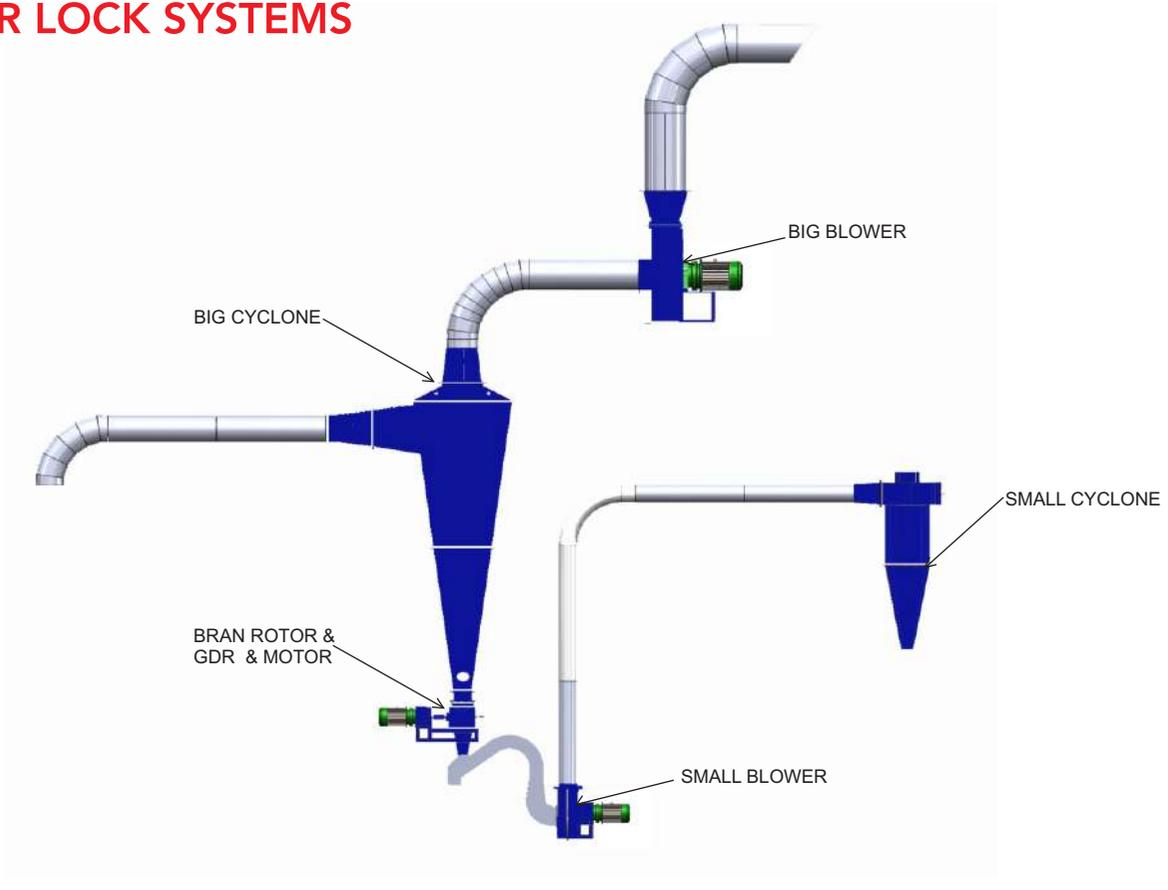
This Machine is used to mix accurately two different products to reach desired axing ratio. A special Design SS ribbons to mix the material into high uniformly in a few seconds. This machine having user friendly HMI to set required percentage of weights and mixing time. Machine works on load cell technology

Advantages :

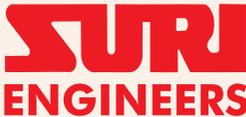
1. Easy to intigrate seamlessly with Exsiting Production line
2. The Material contact parts all made of SS-Stainless Steel.
3. Module design for easy installation and Operation.
4. User friendly HMI interface with Auto selection of FRK percentage.
5. Fully pnemuatics operated with load cells.
6. PLC Based system with touchscreen controls.

Code No.	Product Name	Capacity on Rice	Speed	Power Recommended	Dimensions (LxBxH in mm)
RFR00	FORTIFIED RICE RIBBON BLENDER	3-4 Ton/hr	48 RPM	2 HP/1440 RPM*	875 X 740 X 2340

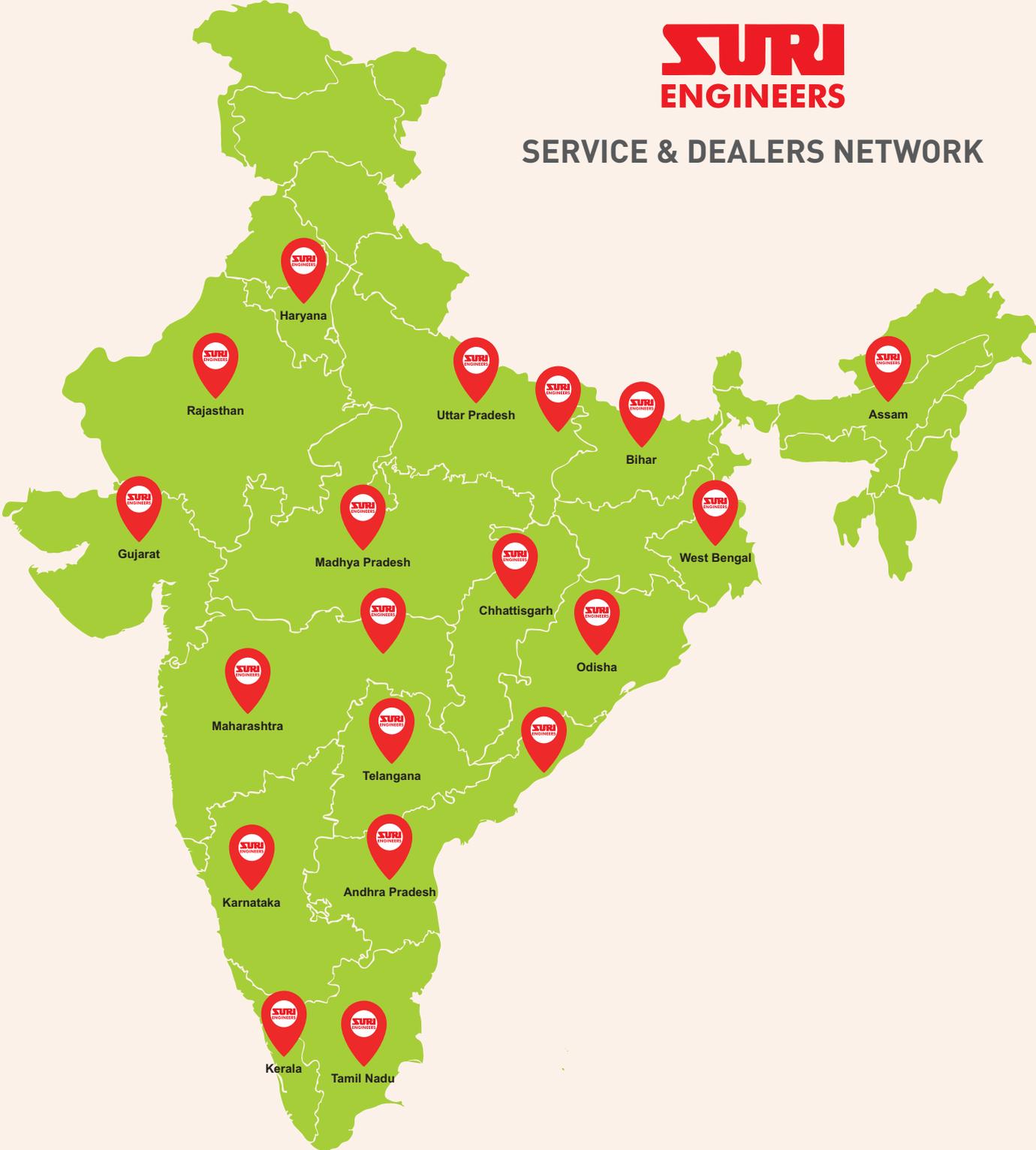
AIR LOCK SYSTEMS



Code No.	Product Name	BIG BLOWER HP	SMALL BLOWER HP	BRAN ROTOR AND GRD. MOTOR HP	BIG CYCLONE MM	SMALL CYCLONE MM
BPSFM35M	BRAN PROCESS SYSTEM CAL-I MFD	7.5*	2*	1*	ø950	ø400
BPSFM36M	BRAN PROCESS SYSTEM CAL-II MFD	10*	2*	1*	ø1100	ø400
BPSFM46M	BRAN PROCESS SYSTEM CAL-III MFD	15*	3*	1.5*	ø1300	ø500
BPSFM62M	BRAN PROCESS SYSTEM CAL-IV MFD	20*	3*	1.5*	ø1300	ø500
BPSFM85M	BRAN PROCESS SYSTEM CAL-V MFD	25*	3*	1.5*	ø1500	ø500
BPSFM86M	BRAN PROCESS SYSTEM CAL-VI MFD	30*	3*	1.5*	ø1500	ø500
BPSFM89M	BRAN PROCESS SYSTEM CAL-VIII MFD	40*	3*	1.5*	ø1500	ø500



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SURI ENGINEERS

the brand that has stood the test of time

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SURI ENGINEERS PRIVATE LIMITED

An ISO 9001:2015 Certified Company

#4/4, I.D.A. NACHARAM, HYDERABAD - 500076, TELANGANA.

PH. 040-27150282, 27177726

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